

**We Claim:**

1. A method for treating dry eye, said method comprising:
  - a) obtaining a composition comprising SEQ ID NO:1 or SEQ ID NO:3; and
  - b) administering said composition to a patient suffering from dry eye under conditions such that SEQ ID NO:1 or SEQ ID NO:3 is expressed.
2. The method of claim 1, wherein said composition comprises a vector comprising the sequence set forth in SEQ ID NO:1 or SEQ ID NO:3
3. The method of claim 1, wherein said administering is by topical ocular drops or ointment.
4. A composition for treatment of dry eye, said composition comprising a vector comprising the sequence set forth in SEQ ID NO:1 or SEQ ID NO:3 and a pharmaceutically acceptable excipient.
5. A method of treating dry eye in a postmenopausal patient, said method comprising incorporating nucleic acid into an *in situ* ocular cell under conditions permissive for the uptake of said nucleic acid, said nucleic acid encoding a protein having the sequence set forth in SEQ ID NO:2, whereby said nucleic acid is expressed and said disease is treated.
6. The method of claim 6, wherein said nucleic acid sequence comprises the sequence set forth in SEQ ID NO:1.
7. The method of claim 7, wherein said cell is a conjunctival or corneal epithelial cell.
8. The method of claim 8, wherein said cell is debrided prior to introducing said exogenous nucleic acid.
9. The method of claim 6, wherein said nucleic acid is in a viral vector.
10. The method of claim 6, wherein said nucleic acid is in a plasmid.
11. The method of claim 10, wherein said nucleic acid is in a retrovirus.
12. The method of claim 10, wherein said nucleic acid is in an adenovirus.
13. The method of claim 10, wherein said nucleic acid is in an adeno-associated virus.
14. A method of treating dry eye in a postmenopausal patient, said method comprising incorporating nucleic acid into an *in situ* ocular cell under conditions permissive for the uptake of said nucleic acid, said nucleic acid encoding a protein having the

sequence set forth in SEQ ID NO:4, whereby said nucleic acid is expressed and said disease is treated.

15. The method of claim 15, wherein said nucleic acid sequence comprises the sequence set forth in SEQ ID NO:3.

16. The method of claim 16, wherein said cell is a conjunctival or corneal epithelial cell.

17. The method of claim 7, wherein said cell is debrided prior to introducing said exogenous nucleic acid.

18. The method of claim 15, wherein said nucleic acid is in a viral vector.

19. The method of claim 15, wherein said nucleic acid is in a plasmid.

20. The method of claim 19, wherein said nucleic acid is in a retrovirus.

21. The method of claim 19, wherein said nucleic acid is in an adenovirus.

22. The method of claim 19, wherein said nucleic acid is in an adeno-associated virus.